

ABSTRACT

The present invention relates to a crosslinked optically active three-dimensional polymer network consisting of at least one homochiral unit of at least one first selector and of at least one homochiral unit of at least one second selector of structure different from the first selector and optionally of at least one homochiral unit of at least one third selector of structure different from the first and from the second selector, the homochiral unit(s) of the first selector containing one polymerizable functional group, the homochiral unit(s) of the third selector containing at least one polymerizable functional group and the homochiral unit(s) of the second selector containing at least two polymerizable or crosslinkable functional groups, the homochiral units being chemically linked to one another, to a method for preparing thereof and methods using thereof.